

1. COMPONENT Army		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE 09 JUN 2016 09 JUN 2016	
3. INSTALLATION AND LOCATION Fort Example CONUS			4. PROJECT TITLE Compact Chapel		
5. PROGRAM ELEMENT	6. CATEGORY CODE 730 17	7. PROJECT NUMBER 95846	8. PROJECT COST (\$000) 29,000		
9. COST ESTIMATES					
ITEM		UM	QUANTITY	UNIT COST	COST(\$000)
PRIMARY FACILITY					25,921
Compact Chapel (Medium/Two-Story)		SF	91,163	278.76	(25,413)
Sustainability/Energy Measures		LS	--	--	(508)
SUPPORTING FACILITIES					
ESTIMATED CONTRACT COST					25,921
CONTINGENCY (5.00%)					1,296
SUBTOTAL					27,217
SUPERVISION, INSPECTION & OVERHEAD (5.70%)					1,551
TOTAL REQUEST					28,768
TOTAL REQUEST (ROUNDED)					29,000
INSTALLED EQT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Construct a two-story religious facility based upon the Army Standard Design for a Compact Chapel. This facility provides Chapel functions on the first story and Religious Education functions on the second story. The first story features a Worship Center (sanctuary) with regular seating for 400 persons and integral features that allow for expanding that seating to 629 persons by combining the Worship Center and accessory balcony. This story will include a worship center, activity center with kitchen, baptistery areas, resource center, sacristy area, administrative spaces, classrooms, and nursery. The second story will include a multi-purpose area for large gatherings or subdivision into classrooms, accommodating around 350 persons, with kitchen, multiple large and small classrooms, offices, youth ministry center, a resource center, and conference room. The facility will include information systems, fire protection and alarm systems, Intrusion Detection System (IDS) installation, and Energy Monitoring Control System (EMCS) connection. Sustainability and energy enhancement measures are included. Supporting facilities include site development, utilities and connections, lighting, paving, parking, walks, curbs and gutters, storm drainage, landscaping and signage. Heating and air conditioning will be provided by [self contained system OR connection to the existing energy plant OR etc.]. Measures in accordance with the Department of Defense (DoD) Minimum Antiterrorism for Buildings standards will be provided. Comprehensive building and furnishings related interior design services are required. Access for individuals with					

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<p>disabilities will be provided. Facilities will be designed to a minimum life of 50 years in accordance with DoD's Unified Facilities Code (UFC 1-200-02) including energy efficiencies, building envelope and integrated building systems performance.</p>				
<p>11. REQ: NONE ADQT: NONE SUBSTD: NONE</p> <p>PROJECT: Construct a standard design Chapel Center regular seating capacity up to 400 persons.</p> <p>ADDITIONAL: The Deputy Assistant Secretary of the Army (Installations, Housing and Partnerships) certifies that this project has been considered for joint use potential. The facility will be available for use by other components.</p> <p>ESTIMATED CONSTRUCTION START: MAR 2018 INDEX: 2885 ESTIMATED MIDPOINT OF CONSTRUCTION: OCT 2018 INDEX: 2918 ESTIMATED CONSTRUCTION COMPLETION: MAY 2019 INDEX: 2952</p>				

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GENERAL JUSTIFICATION DATA

Remarks and/or Preparer Notes for Standard Facilities

Besides the basic building costs, some sites on some Installations have soils that require a cost factor to cover the need for special foundation treatments above the average for typical buildings and soils. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue.

Some Installations are operating Utility Monitoring and Control Systems (UMCS) and there can be special costs for extending these systems into new facilities. Some sustainable design features that Installations desire to apply to new facilities do require special costs for site support. Consult the Installation DPW office.

Some sites can require special antiterrorism measures that relate to both the building and the site. Consult the Installation DPW office and the CoS P. O. C. for further guidance on this issue. The building information system requirements for this facility type are similar to those required by the typical unspecialized administrative facility.

This facility will require 480Y/277V service for a transformer size of 1500KVA.

The transformer shall be sized for site conditions. Specific site conditions may require lightning protection and a grounding ring. Communications data and telephone requirements will be governed by I3A and installation requirements. The CoS estimates that 12 Fiber optic cables and 50 copper pair required for this facility.

Cooling, heating, ventilating and air conditioning (HVAC) will be required for the entire facility. The minimum HVAC systems capacities are estimated to be 215.2 tons for cooling and 2,536.8 MBH for heating.

The plumbing requirements for this facility include domestic cold and hot water, sanitary waste, gas distribution and fire protection. Domestic cold and hot water should be provided for this facility having a demand of 110 GPM.

The minimum pipe size for domestic water entering the building should be at least 3-inches.

The facility sanitary piping should be sized for approximately 170.5 DFU.

The minimum pipe size leaving the building for sanitary demand should be at least 6-inches.

Fire protection will be required to meet a sprinkler demand of at least 1,280 GPM.

Fire protection service would be served by an 6-inch pipe entering the building.

The maximum gas demand for this building is approximately 1,606 CFH.

Steam or Chilled Water availability varies by site and Installation. Consult the Installation DPW office regarding all utility availability and where multiple sites are being considered, plan the costs according to the site that needs the most development. Paving costs are naturally site dependent. Consult the Installation DPW office and where multiple sites are being considered; plan the costs according to the site that needs the most development.

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FURNISHINGS AND EQUIPMENT

Furnishings and Equipment

Item	Description	Total Proc Cost Appr Proc (\$000) FY Appr	Est Delivery Date	Proc Status	Est Instl Cost Instl (\$000) FY Instl Appr
1	General Furnishings Footnote: Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	495 2019 OMA			
2	Mission Unique Eqp Grp 1 (Misc Eqp Items) Footnote: Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	233 2019 OMA			
3	Mission Unique Eqp Grp 2 (Misc Eqp Items) Footnote: Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	141 2019 OMA			
4	A/V System Footnote: Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	676 2019 OMA			
5	Child Check-In System Footnote: Source of furniture pricing data is the Centralized Furniture Program Office, Huntsville Center (USACE)	15 2019 OMA			

Information Systems Equipment

Item	Description	Total Proc Cost Appr Proc (\$000) FY Appr	Est Delivery Date	Proc Status	Est Instl Cost Instl (\$000) FY Instl Appr
1	Info Sys - ISC	0 2019 OPA			
2	Info Sys - PROP	0 2019			

Totals by Appropriation Type (\$000)

Total OMA/OMN/3400/OM DHP: 1,560
 Installed Equipment - Other Appropriations: 0
 Total Related Furniture & Equipment Amount: 1,560